**ACCESSING THE FCC NETWORK
USING WINDOWS 95**

This attachment describes how to access the FCC Network from a system that is running the Microsoft Windows 95 operating system. This involves configuring dial-up network access and then performing the dial-up procedure.

Conventions

The instructions in this attachment use the following typographical conventions:

bold   Represents objects on the screen that you click with the mouse pointer, including buttons, Internet links, icons, tabs, menu items (e.g., **Cancel** button, **Auctions** link, **Save** option in the File menu).

italic   Represents field names or areas of a screen (e.g., *Licensee Name* field, *Applicant Information* area of a screen).

bold italic   Represents characters that you must type exactly as they appear in the instructions. For example, if you are instructed to type ***http://www.fcc.gov***, you should type all of the characters shown in bold italic exactly as they are printed.

SMALL CAPS   Represents keys on the keyboard (e.g., ENTER, CTRL, ESC).

Hardware and Software Requirements

Applicants who want to connect to the FCC Network using the Windows 95 Dial-Up Networking will need the following hardware and software.

Hardware Requirements

•   CPU: Intel 80486 or above

•   RAM: 8 MB RAM (more recommended if you intend to open multiple applications)

•   Hard Disk: 10 MB available disk space

•   Modem: v.32bis 14.4-kbps Hayes compatible modem

- Monitor: VGA or above

- Mouse or other pointing device

Software Requirements

- Internet Web Browser software (Netscape Communicator 4.05 with JDK 1.1, Netscape Navigator 3.01, and Microsoft Internet Explorer 3.02 with the file upload patch were used during FCC internal testing)

- Microsoft Windows 95

Note: If you are running Windows in a networked environment, check with your local network administrator for any potential conflicts with the Windows 95 Dial-Up Networking. This usually includes any TCP/IP installed network protocol.

The Windows 95 Dial-Up Networking will establish a direct connection from your PC to the FCC Network. *This point-to-point connection is not routed through the Internet*.

Configuring Dial-Up Network Access

1. To start dial-up networking:

   a. Click the Windows 95 **Start** button.

   b. Click the **Programs** option to display the Programs menu.

   c. Click the **Accessories** option to display the Accessories menu.

   d. From the Accessories menu, click **Dial-Up Networking**.

2. When the Dial-Up Networking window appears, double-click the **Make New Connection** icon.

3. The Make New Connection window appears. In the field entitled *Type a name for the computer you are dialing*, type ***ULS at FCC***.

4. Click the down arrow at the right of the *Select a modem* field and select your modem from the menu of available modems.

   If your modem does not appear on this list, you must install your modem driver according to the modem manufacturer installation procedures, which are usually described in your modem's user manual.

5.   Click the **Configure** button. Click the **Options** tab at the top of the Properties window.

6.   In the *Connection control* area of the **Options** tab, verify that *neither* option is selected.
        If either option is selected, click the check box at the left of the option to deselect it.
        Then click the **OK** button.

7.   Click the **Next** button.

8.   Type *800* in the *Area Code* field and *844-2784* in the *Telephone Number* field. Verify
        that the correct country is selected in the *Country code* field.

        If not, click the down arrow at the right of the *Country code* field and select the
        appropriate country from the menu of available countries.

9.   Click the **Next** button.

10.   Click the **Finish** button. An icon titled **ULS at FCC** appears in the Dial-Up Networking
        window.

11.   Verify that properties are configured correctly before attempting a dial-up session.
        Position the mouse pointer on the **ULS at FCC** icon and click the *right* mouse button to
        display a menu. Select **Properties** from the menu.

12.   Click the **Server Type** button at the bottom of the ULS at FCC screen.

13.   In the *Advanced Options* area of the Server Type window, verify that only *Enable
        software compression* is selected.

        If it is not selected, click the check box at the left of the option to select it. If either of
        the other options is selected, click the check box to deselect it.

14.   In the *Allowed Network Protocols* area of the Server Type window, verify that only
        TCP/IP is selected.

        If it is not selected, click the check box at the left of the option to select it. If either of
        the other options is selected, click the check box to deselect it.

15.   Click **OK** on the Server Type window, then click **OK** on the Properties window.

16.   To configure the TCP/IP protocol:

        a.   Click the Windows 95 **Start** button.

        b.   Click the **Settings** option to display the Settings menu.

c.   Click the **Control Panel** option to display the Control Panel.

d.   Double-click the **Network** icon.

e.   Highlight the **TCP/IP protocol** and click **Properties**.

- If multiple TCP/IP protocols are displayed, select **TCP/IP --> Dial-Up Adapter**.

- If TCP/IP is not installed, click the **Add** button, then click **Protocol** and click **Add**. Select **Microsoft** from the list of Manufacturers, then select **TCP/IP** from the list of Network protocols. Click **OK** to add it, then highlight **TCP/IP** and click **Properties**.

f.   Click the **DNS Configuration** tab.

g.   Click **Enable DNS**.

h.   If there is no Host, type *bidder* in the *Host* field.

i.   Type *192.104.54.1* in the *DNS Server Search order* field and click the **Add** button.

j.   Click **OK** on the TCP/IP Properties window, then click **OK** on the Network window.

Dial-Up Procedure

1. If your PC is connected to a Local Area Network (LAN), perform the steps below before dialing into the FCC Network. Otherwise, proceed to step 2.

    a. Start up your PC *without* logging into the network.

    b. Click the Windows95 **Start** button and select **Run**.

    c. Type *winipcfg* in the Run window and click on **OK**.

    d. Click the **Release All** button to reset the IP address to "0.0.0.0."

2. If the Dial-Up Networking window is not currently open, do the following:

    a. Click the Windows 95 **Start** button.

    b. Click the **Programs** option to display the Programs menu.

    c. Click the **Accessories** option to display the Accessories menu.

    d. From the **Accessories** menu, click **Dial-Up Networking**.

    The Dial-Up Networking window appears.

3. Double-click the **ULS at FCC** icon in the Dial-Up Networking window.

4. Click the **Connect** button on the ULS at FCC window. *Do not enter User name and Password.*

    The Connecting to ULS at FCC window appears, indicating the status of your connection as your modem dials into the system. This window must remain running during your dial-up session. You may minimize the window, if you wish.

5. Once the connection is established, open your web browser (Netscape or Internet Explorer).

6. In the *Location* field (Netscape 3.x), *Netsite* field (Netscape 4.x), or *Address* field (Internet Explorer) of the web browser screen, type the desired Universal Resource Locator (URL). Then press the ENTER key.

7. When you have finished, exit the web browser, then click the **Disconnect** button on the ULS at FCC window to end your dial-up session.

Troubleshooting

Following are resolutions of problems you may encounter when accessing the FCC Network.

Modem does not respond

1.   Confirm that the correct modem driver is installed for your modem.

2.   Confirm that all physical connections for the modem are present.

3.   Confirm that the phone line is active by connecting the modem cable to a telephone.

Modem dials but does not connect

1.   Confirm that the modem is dialing the correct number.

2.   Confirm that the modem prefix (if any) is correct.

Modem dials and connects, but nothing appears when you enter the location in the web browser

1.   Check the settings in your dial-up networking icon, particularly that the *Primary DNS* is **192.104.54.1** and that *TCP/IP* is the only selected protocol.

2.   Confirm that your web browser is using no proxies.

3.   It is recommended that you do not log into a TCP/IP Local Area Network (LAN). If you do log into a TCP/IP LAN, confirm that your LAN network IP address is being released. To do so, connect to the FCC Network using dial-up networking, then click the **Start** button in Windows95 and select **Run**. Type *winipcfg* and press **OK**. If your IP address does not begin with "192.104.", then your LAN IP address is not being released. Click the **Release All** button, or consult you LAN administrator.

Technical Support

For technical assistance in accessing the FCC Network using Windows95, contact the FCC Technical Support Hotline at (202) 414-1250. This hotline is generally available Monday through Friday, from 8 a.m. to 6 p.m. ET. *All calls to the FCC Technical Support Hotline are recorded.*